

FIG. 1

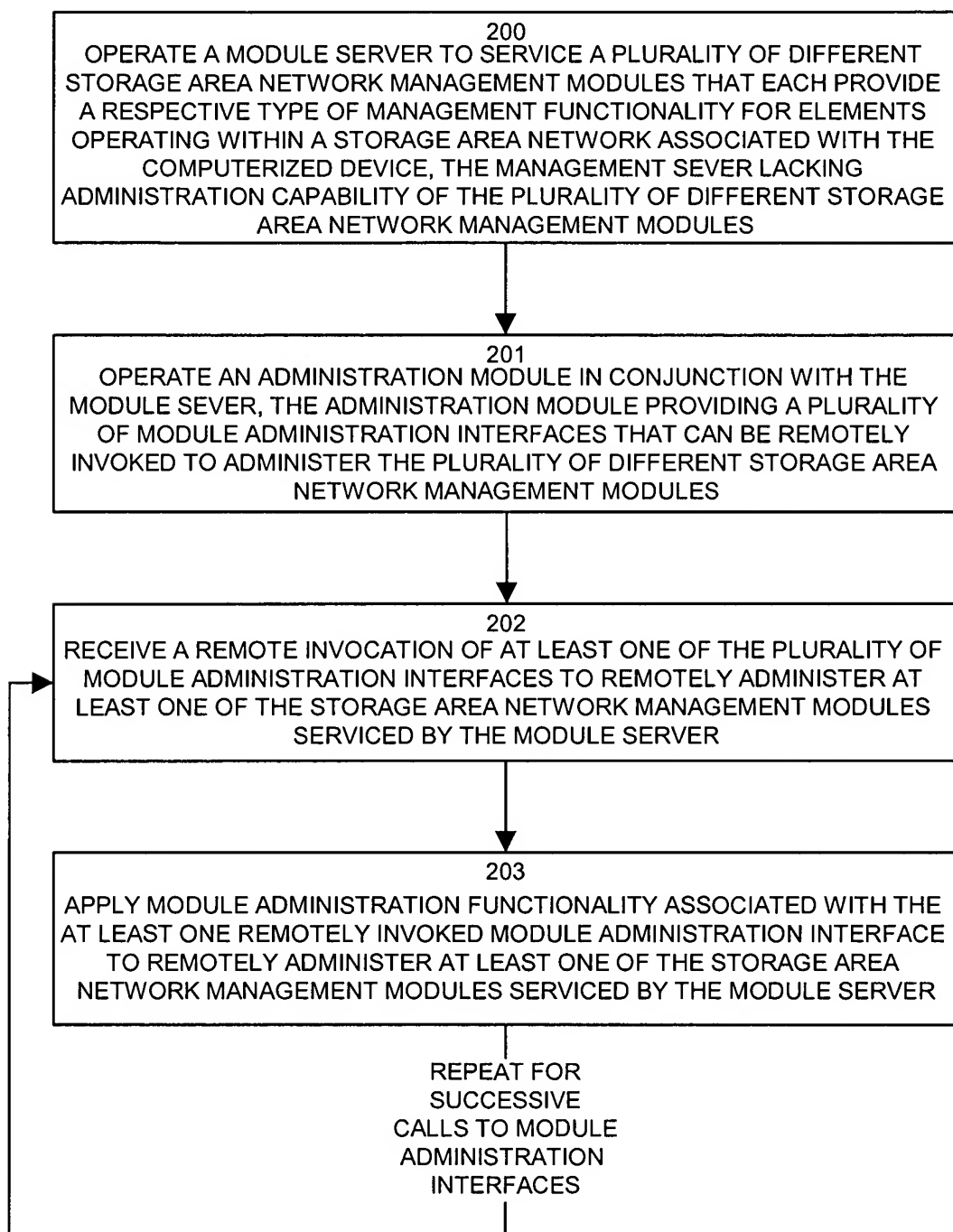


FIG. 2

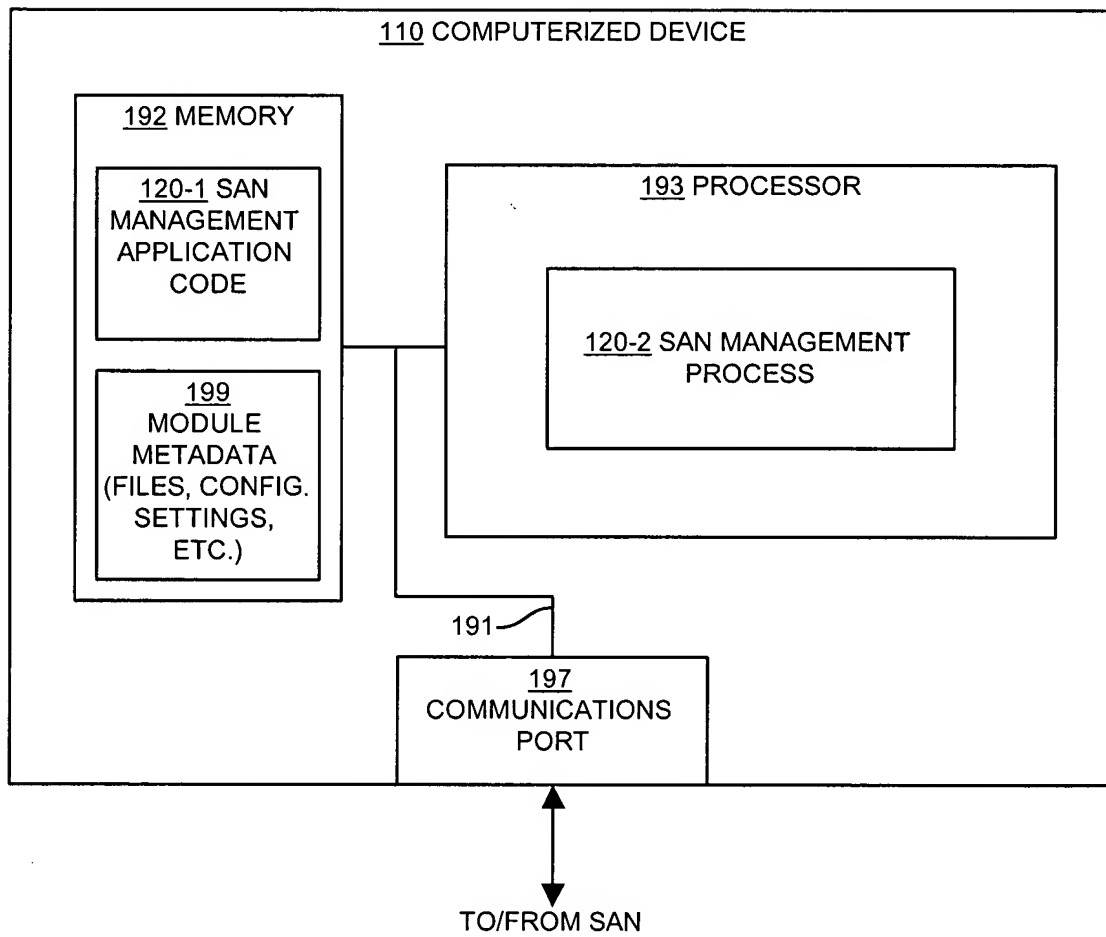
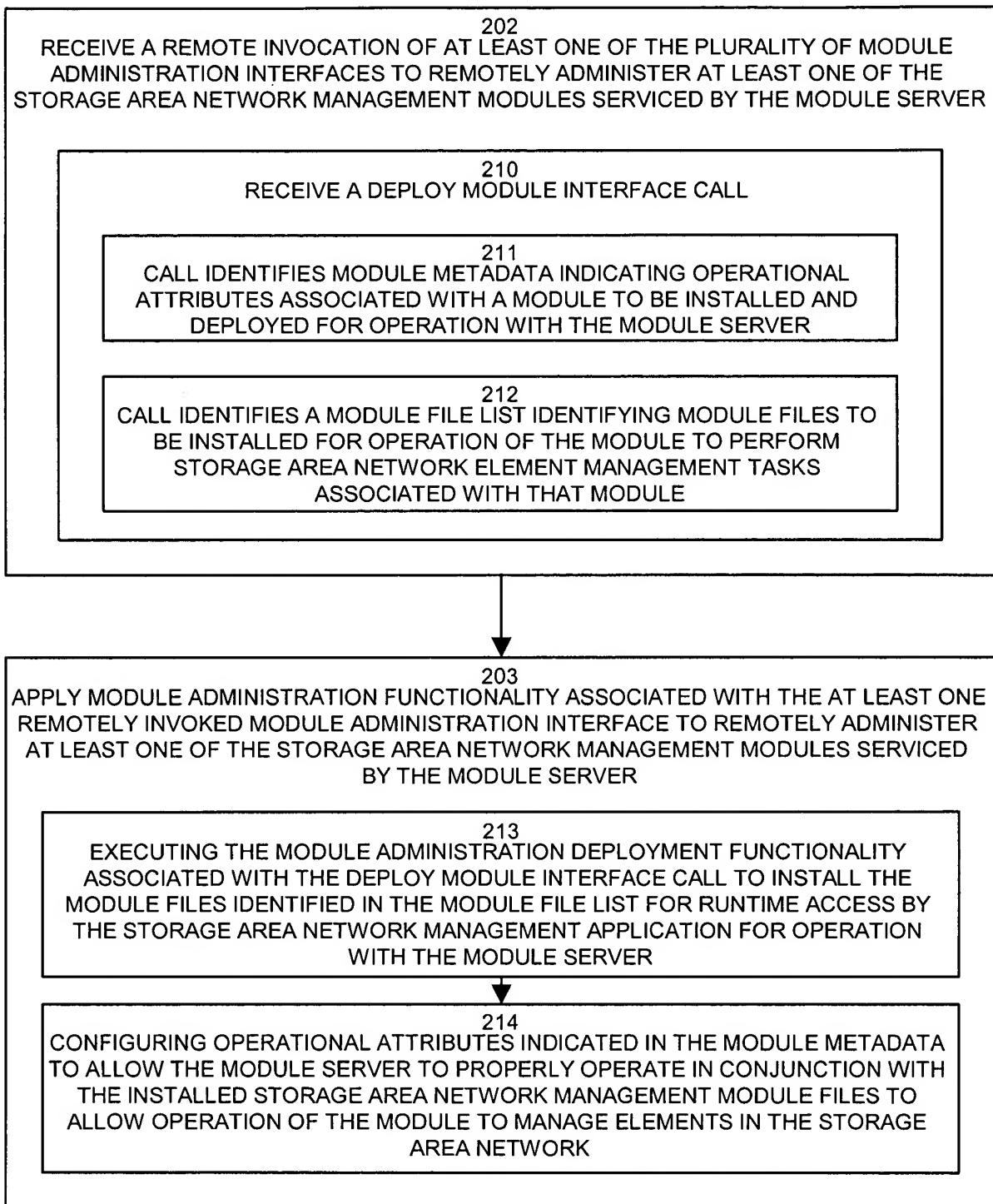
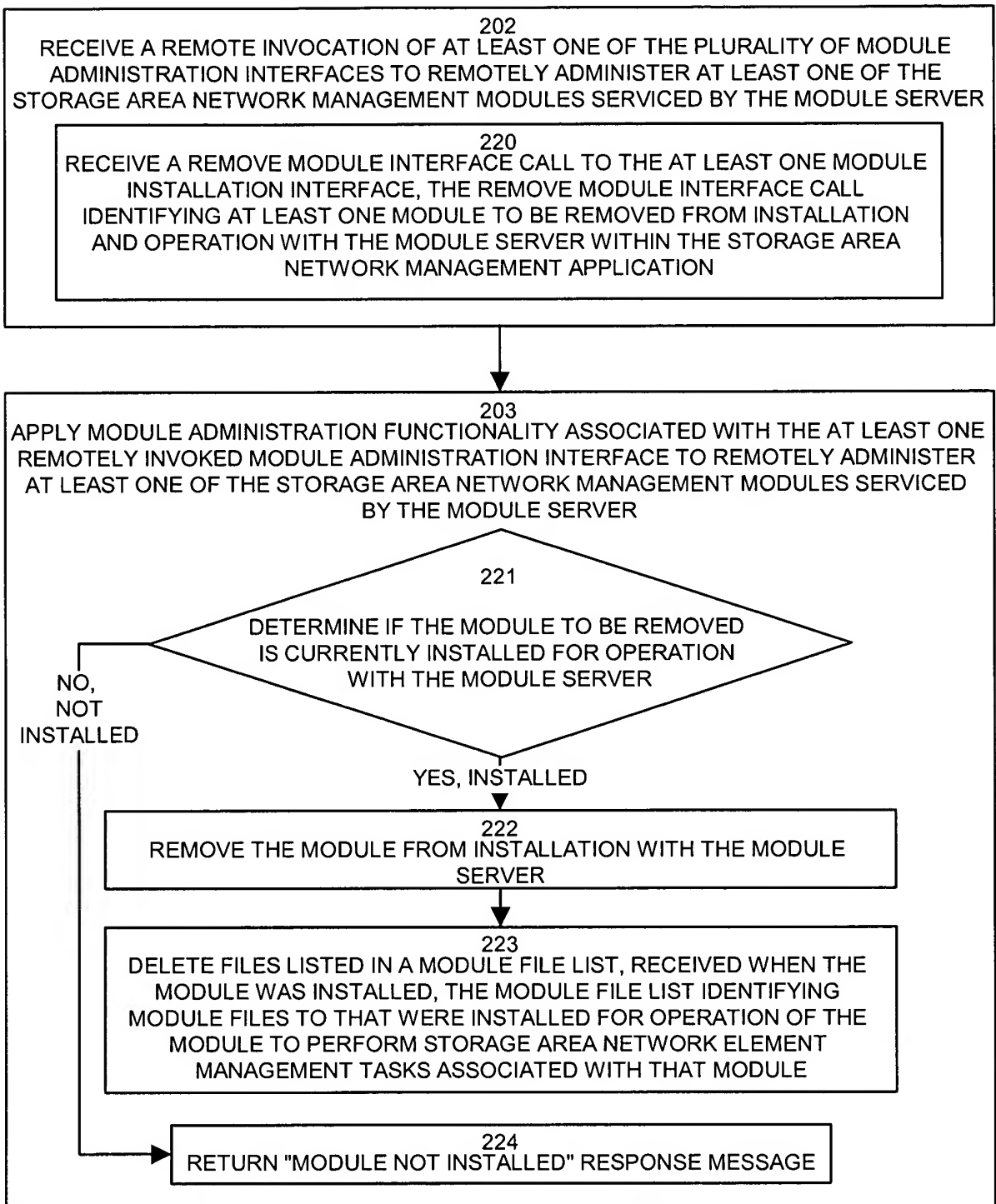


FIG. 3



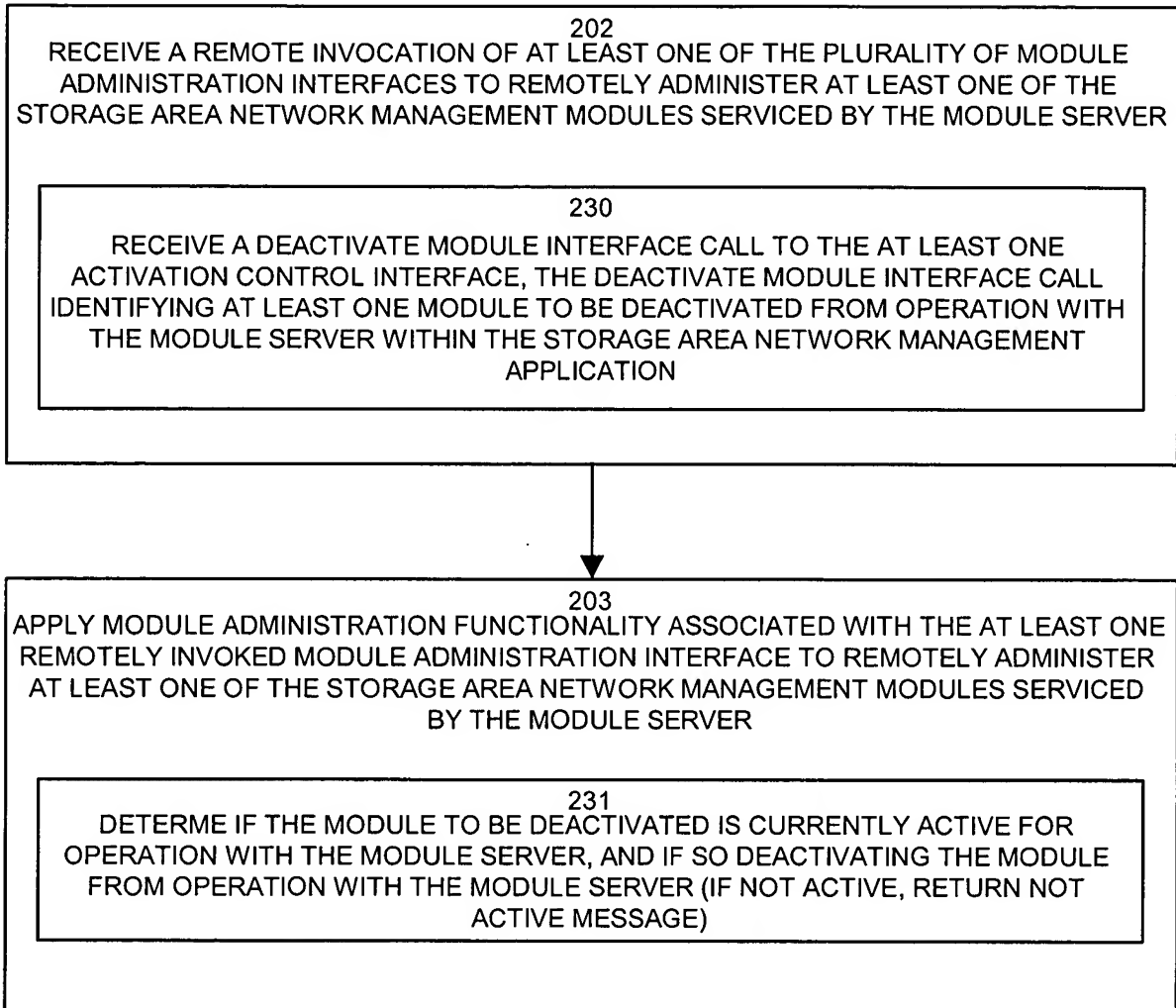
DEPLOY MODULE INTERFACE

FIG. 4



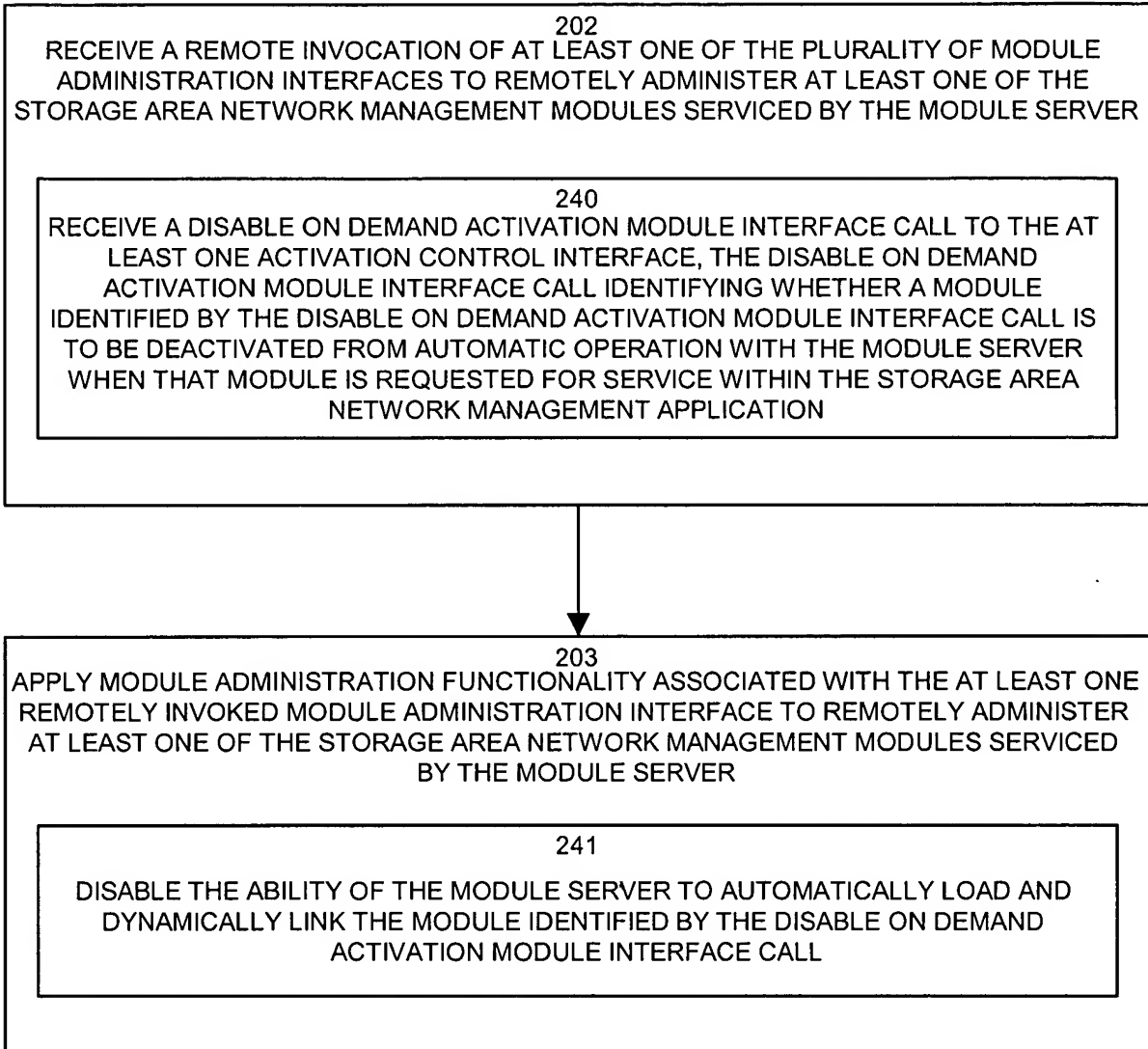
REMOVE / UNDEPLOY / UNINSTALL MODULE INTERFACE

FIG. 5



DEACTIVATE MODULE INTERFACE

FIG. 6



DISABLE MODULE INTERFACE

FIG. 7

202
RECEIVE A REMOTE INVOCATION OF AT LEAST ONE OF THE PLURALITY OF MODULE ADMINISTRATION INTERFACES TO REMOTELY ADMINISTER AT LEAST ONE OF THE STORAGE AREA NETWORK MANAGEMENT MODULES SERVICED BY THE MODULE SERVER

250
RECEIVE AT LEAST ONE DESCRIPTION INTERFACE CALL TO THE AT LEAST ONE DESCRIPTION INTERFACE, THE AT LEAST ONE DESCRIPTION INTERFACE CALL REQUESTING REMOTE ACCESS TO DESCRIPTIVE INFORMATION RELATED TO AT LEAST ONE OF THE INSTALLED STORAGE AREA NETWORK MANAGEMENT MODULES OPERATING IN CONJUNCTION WITH THE MODULE SERVER IN THE STORAGE AREA NETWORK MANAGEMENT APPLICATION IN THE COMPUTERIZED DEVICE

251
DESCRIPTION INTERFACE CALL IS A MODULE METADATA LIST CALL REQUESTING ACCESS TO MODULE METADATA FOR AT LEAST ONE INSTALLED MODULE THAT OPERATES IN CONJUNCTION WITH THE MODULE SERVER

252
DESCRIPTION INTERFACE CALL IS A DESCRIBE MODULE CALL REQUESTING A MODULE DESCRIPTOR ASSOCIATED WITH A MODULE THAT IS INSTALLED TO OPERATE WITH THE MODULE SERVER AND THAT IS IDENTIFIED BY A MODULE IDENTIFICATION SPECIFIED IN THE DESCRIBE MODULE CALL

253
DESCRIPTION INTERFACE CALL IS A INTEROPERABLE OBJECT REFERENCE CALL REQUESTING ACCESS TO AT LEAST ONE INTEROPERABLE OBJECT REFERENCE ASSOCIATED WITH AT LEAST ONE MODULE THAT IS INSTALLED TO OPERATE WITH THE MODULE SERVER AND THAT IS IDENTIFIED BY A MODULE IDENTIFICATION SPECIFIED IN THE INTEROPERABLE OBJECT REFERENCE CALL

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TO STEP 203 IN FIG. 8B

DESCRIPTION INTERFACES (MODULE METADATA LIST,
DESCRIBE MODULE AND INTEROPERABLE OBJECT
REFERNECE INTERFACE)

FIG. 8A

FROM STEP 202 IN FIG. 8A

203

APPLY MODULE ADMINISTRATION FUNCTIONALITY ASSOCIATED WITH THE AT LEAST ONE REMOTELY INVOKED MODULE ADMINISTRATION INTERFACE TO REMOTELY ADMINISTER AT LEAST ONE OF THE STORAGE AREA NETWORK MANAGEMENT MODULES SERVICED BY THE MODULE SERVER

254

RETURN DESCRIPTIVE INFORMATION RELATED TO AT LEAST ONE OF THE INSTALLED STORAGE AREA NETWORK MANAGEMENT MODULES OPERATING IN CONJUNCTION WITH THE MODULE SERVER IN THE STORAGE AREA NETWORK MANAGEMENT APPLICATION IN THE COMPUTERIZED DEVICE

255

TRANSMIT MODULE METADATA TO A DEVICE THAT PROVIDED THE AT LEAST ONE DESCRIPTION INTERFACE CALL, THE MODULE METADATA INDICATING OPERATIONAL ATTRIBUTES ASSOCIATED WITH A MODULE DEPLOYED FOR OPERATION WITH THE MODULE SERVER

256

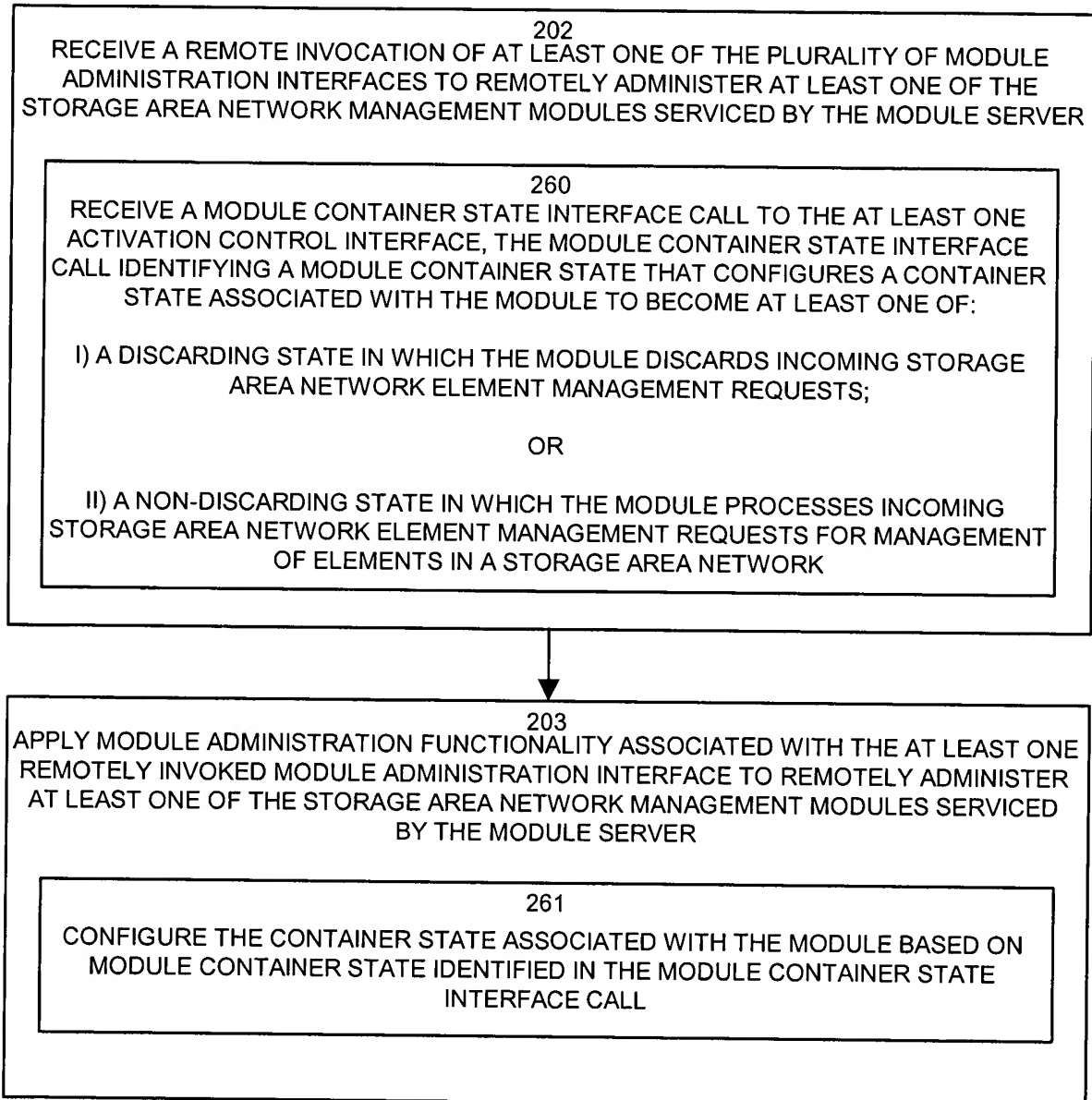
TRANSMIT THE MODULE DESCRIPTOR ASSOCIATED WITH THE MODULE IDENTIFICATION, THE MODULE DESCRIPTOR PROVIDING A DESCRIPTION OF THE MODULE, A STATUS OF WHETHER THE MODULE IS ENABLE FOR ACTIVATION UPON STARTUP OF THE MODULE SERVER, AND A PUBLISHED NAME BY WHICH THE MODULE MAY BE ACCESSED FOR STORAGE AREA NETWORK ELEMENT MANAGEMENT FUNCTIONALITY BY AN APPLICATION PROVIDING THE DESCRIBE MODULE CALL

257

TRANSMIT THE AT LEAST ONE INTEROPERABLE OBJECT REFERENCE TO AN APPLICATION THAT PROVIDED THE AT LEAST ONE INTEROPERABLE OBJECT REFERENCE CALL, THE AT LEAST ONE INTEROPERABLE OBJECT REFERENCE OPERATING AS AN IDENTIFICATION OF THE MODULE FOR USE BY STORAGE AREA NETWORK MANAGEMENT APPLICATIONS

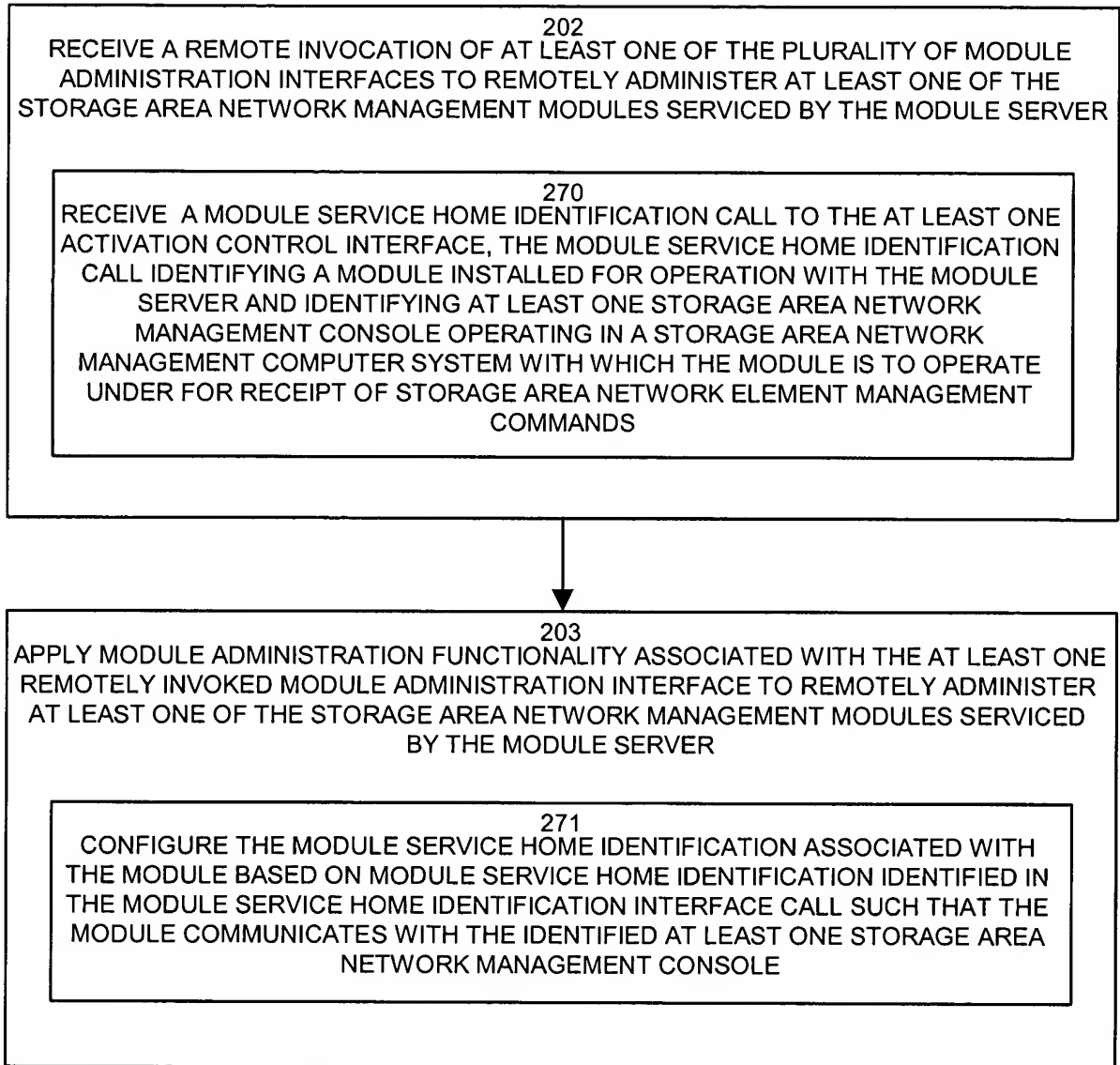
DESCRIPTION INTERFACES (MODULE METADATA LIST,
DESCRIBE MODULE AND INTEROPERABLE OBJECT
REFERNECE INTERFACE)

FIG. 8B



MODULE CONTAINER STATE INTERFACE

FIG. 9



MODULE SERVICE HOME IDENTIFICATION INTERFACE

FIG. 10